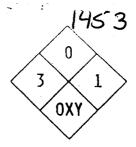
# Parker Amchem

DbW

HENKEL CORPORATION 32100 Stephenson Highway Madison Heights, Michigan 48071



# MATERIAL SAFETY DATA SHEET

ORIGINAL

CUSTOMER Occupational Safety

JEEB 26 1991,

PRODUCT TRADE NAME

ALODINE® 1200

DOT PROPER SHIPPING NAME

Chromic acid mixture, dry, oxidizer, NA1463,

RQ, (contains chromic acid).

DOT HAZARD CLASSIFICATION

Oxidizer.

TECHNICAL CONTACT (NAME)

Product Acceptance Office

TELEPHONE NUMBER

(313) 583-9300

EMERGENCY NUMBER

1-517-263-9430

### HAZARDOUS INGREDIENTS

MATERIAL +Chromic Acid	cas NO. 1333-82-0	20-50	HAZARD Carcinogen, NTP, IARC Oxidizer	O.05 mg/m <sup>3</sup> as Cr C O.1 mg/m as CrO <sup>3</sup>	1
Potassium Fluozirconate	16923-95-8	5-15	Irritant	-,	as F as F
Sodium Fluoborate	13755-29-8	30-60	Irritant		as F as F
+Potassium Ferricyanide This product contain requirements of Sect	ns a chemica	1 (+) subject	Irritant to the repor RA, Part 372.	None ting	

#### 2 PHYSICAL DATA

APPEARANCE

Orange powder.

SOLUBILITY IN WATER Appreciable.

ODOR

Bland.

SPECIFIC GRAVITY

pH of CONCENTRATE

Not applicable

Not applicable

BOILING POINT, OF.

Not applicable

OTHER:

Not applicable

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## 3 FIRE & EXPLOSION DATA

FLASH POINT

None

TEST METHOD

Not applicable

EXTINGUISHING MEDIA Water

UNUSUAL FIRE OR EXPLOSION HAZARDS

Violent reactions may occur with organic materials or reducing agents.

SPECIAL FIRE FIGHTING PROCEDURES

Wear positive pressure self-contained breathing apparatus and full protective clothing.

#### **4 REACTIVITY DATA**

STABLE X	UNSTABLE .
CONDITIONS TO AVOID	
None	
INCOMPATIBLE MATERIALS	
Organic materials, re	ducing agents, alkalies.
HAZARDOUS POLYMERIZATION WILL OF	CCUR
WILL N	OT OCCUR X
CONDITIONS TO AVOID	
Excessive heat.	
HAZARDOUS DECOMPOSITION PRODUCTS	
Hydrogen cyanide and	hydrogen fluoride.

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### 5 HEALTH HAZARD DATA

CHRONIC: Prolonged or repeated skin contact may cause "chrome sores". Long-term exposure can cause liver damage, kidney damage and dermatitis. Prolonged or repeated inhalation of dust may cause ulceration and perforation of the nasal septum.

EYES: Eye contact may result in loss of vision with severe burns.

SKIN: Skin contact is corrosive to tissues.

INGESTION: Ingestion could result in tissue destruction of the digestive tract and severe irritation in the respiratory tract.

INHALATION: Inhalation of dust can be an irritant to the respiratory tract.

POSSIBLE CANCER HAZARD: There is laboratory evidence that aqueous sodium dichromate administered directly into the lung, at the highest tolerated dose, over the lifetime of rats, causes a significantly increased incidence of lung cancer. It is expected that if chromic acid was tested in the manner as aqueous sodium dichromate, it would give similar response. There is sufficient evidence for the carcinogenicity of chromium and certain chromium compounds both in humans and experimental animals.

Reference: NTP (National Toxicology Program), Annual Report on Carcinogens, 1983.

IARC (International Agency for Research on Cancer), Annual Report, 1982.

#### 6 FIRST AID RECOMMENDATIONS

EYES: Immediately flush eyes in a directed stream of water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. GET MEDICAL ATTENTION.

SKIN: Wash thoroughly with soap and water.

INGESTION: Drink large quantities of water. CORROSIVE. DO NOT INDUCE VOMITING. If vomiting occurs, drink more water. GET MEDICAL ATTENTION. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. GET MEDICAL ATTENTION.

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### 7 SPILL PROCEDURES & WASTE DISPOSAL

SPILL PROCEDURES

Wear respiratory protection.

Wear protective clothing.

Sweep up or otherwise collect and store in suitable drum.

WASTE TREATMENT

This chemical is a hazardous waste as defined by EPA Hazardous Waste and Consolidated Permit Regulations (or consult equivalent state regulations).

Hazardous Waste Characteristic: EP Toxicity, Title 40, Code of Federal Regulations, 261.24, Hazardous Waste

Number D007.

Hazardous Waste Characteristic: Ignitability, Title 40,

Code of Federal Regulations, 261.21, Hazardous Waste

Number D001. (Contains an oxidizer.)

This chemical contains chromium compounds and fluoride compounds Waste treatment and neutralization may be required prior to dis-

charge to a sewer. Waste Treatment Information Bulletin No. 1004 (Available

on request.)

Dispose of in compliance with all applicable federal, state and local regulations.

#### 8 PERSONAL PROTECTION

VENTILATION	REQUIREMENTS	GENERAL	AREA	EXHAUST	
					(=:

 $\mathbf{X}$ LOCAL EXHAUST

 $\Box$ NO EXHAUST NECESSARY

#### PERSONAL PROTECTIVE EQUIPMENT

Chemical goggles or face shield. EYE PROTECTION

Neoprene or polyvinyl gloves and appropriate pro-SKIN PROTECTION

tective clothing.

MSHA/NIOSH dust filter mask or respirator if dust-RESPIRATORY PROTECTION

ing occurs.

OTHER REQUIRED EQUIPMENT Eye wash facility should be in close proximity.

### 9 SPECIAL PRECAUTIONS & STORAGE

DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

For industrial use only.

Contact with combustible material may cause fire.

DO NOT BREATHE DUST.

ALODINE® 1200 PAGE 4 Customer:

Product Acceptance Office DATE

TITLE

### CHEMICAL EMERGENCY TELEPHONE 1-800-424-9300

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